PCT/FR99/02734

## SEQUENCE LISTING

PIERRE FABRE MÉDICAMENT <110> PROTEIN FOR ENTEROBACTERIUM AqmO AN ÓF <120> ACTIVE BIOLOGICALLY TARGETING OF Α SPECIFIC TO ASSOCIATED WITH IT WHICH IS SUBSTANCE ANTIGEN-PRESENTING CELLS <130> D17777 <140> <141> <150> FR 98 14007 <151> 1998-11-06 <160> 2 <170> PatentIn Ver. 2.2 <210> 1 <211> 1035 <212> ADN <213> Klebsiella pneumoniae <220> <221> exon <222> (1)..(1032) <220> <221> intron <222> (1033)..(1035) <220> <221> CDS <222> (1)..(1032) atg aaa gca att ttc gta ctg aat gcg gct ccg aaa gat aac acc tgg Met Lys Ala Ile Phe Val Leu Asn Ala Ala Pro Lys Asp Asn Thr Trp tat gca ggt ggt aaa ctg ggt tgg tcc cag tat cac gac acc ggt ttc 96 Tyr Ala Gly Gly Lys Leu Gly Trp Ser Gln Tyr His Asp Thr Gly Phe tac ggt aac ggt ttc cag aac aac ggt ccg acc cgt aac gat cag 144 Tyr Gly Asn Gly Phe Gln Asn Asn Gly Pro Thr Arg Asn Asp Gln 40 ctt ggt gct ggt gcg ttc ggt ggt tac cag gtt aac ccg tac ctc ggt 192 Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly ttc gaa atg ggt tat gac tgg ctg ggc cgt atg gca tat aaa ggc agc Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser gtt gac aac ggt gct ttc aaa gct cag ggc gtt cag ctg acc gct aaa 288 Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys

					85					90					95		
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	ggc Gly	atg Met	gtt Val 115	tgg Trp	cgc Arg	gct Ala	gac Asp	tcc Ser 120	aaa Lys	ggc Gly	aac Asn	tac Tyr	gct Ala 125	tct Ser	acc Thr	ggc Gly	384
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	gat Asp	aac Asn	ggc Gly	atg Met 180	ctg Leu	agc Ser	ctg Leu	ggc Gly	gtt Val 185	tcc Ser	tac Tyr	cgc Arg	ţtc Phe	ggt Gly 190	cag Gln	gaa Glu	576
	Asp	Ala	Ala 195	Pro	Val	gtt Val	Ala	Pro 200	Ala	Pro	Ата	Pro	205	PIO	GIU	Val	624
	Ala	Thr 210	Lys	His	Phe	acc Thr	Leu 215	Lys	Ser	Asp	Val	220	Phe	Asn	rne	AST	672
	Lys 225	Ala	Thr	Leu	Lys	ccg Pro 230	Glu	Gly	Gln	GIn	A1a 235	Leu	Asp	GIN	ьеп	240	720
	Thr	Gln	Leu	Ser	Asn 245	atg Met	Asp	Pro	Lys	250	GIÀ	Ser	Ala	vai	255	ren	768
	Gly	Tyr	Thr	Asp 260	Arg	atc Ile	Gly	Ser	G1u 265	Ala	Tyr	Asn	GIN	270	ren	ser	816
	Glu	Lys	Arg 275	Ala	Gln	tcc Ser	Val	Val 280	Asp	Tyr	ьeu	Val	285	гуѕ	GIY	116	864
	Pro	Ala 290	Gly	Lys	Ile	tcc Ser	Ala 295	Arg	Gly	Met	GIÀ	300	ser	ASII	PIO	Vai	912
	act Thr 305	ggc Gly	aac Asn	acc Thr	tgt Cys	gac Asp 310	aac Asn	gtg Val	aaa Lys	gct Ala	cgc Arg 315	gct Ala	gcc Ala	ctg Leu	atc Ile	gat Asp 320	960
	tgc Cys	ctg Leu	gct Ala	ccg Pro	gat Asp 325	cgt Arg	cgt Arg	gta Val	gag Glu	atc Ile 330	gaa Glu	gtt Val	aaa Lys	ggc Gly	tac Tyr 335	aaa Lys	1008

gaa gtt gta act cag ccg gcg ggt taa Glu Val Val Thr Gln Pro Ala Gly 340 1035

<210> 2 <211> 344 <212> PRT <213> Klebsiella pneumoniae

Tyr Ala Gly Gly Lys Leu Gly Trp Ser Gln Tyr His Asp Thr Gly Phe 20 . 25 30

Tyr Gly Asn Gly Phe Gln Asn Asn Gly Pro Thr Arg Asn Asp Gln 35 40 45

Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly 50 55 60

Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser 65 70 75 80

Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys 85 90 95

Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly
100 105 110

Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly 115 120 125

Val Ser Arg Ser Glu His Asp Thr Gly Val Ser Pro Val Phe Ala Gly 130 135 140

Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr 145 150 155 160

Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro

Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu 180 185 190

Asp Ala Ala Pro Val Val Ala Pro Ala Pro Ala Pro Ala Pro Glu Val 195 200 205

Ala Thr Lys His Phe Thr Leu Lys Ser Asp Val Leu Phe Asn Phe Asn 210 215 220

Lys Ala Thr Leu Lys Pro Glu Gly Gln Gln Ala Leu Asp Gln Leu Tyr 225 230 235 240

Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu 245 250 255

Gly Tyr Thr Asp Arg Ile Gly Ser Glu Ala Tyr Asn Gln Gln Leu Ser

Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile 275 280 285

Pro Ala Gly Lys Ile Ser Ala Arg Gly Met Gly Glu Ser Asn Pro Val 290 295 300

Thr Gly Asn Thr Cys Asp Asn Val Lys Ala Arg Ala Ala Leu Ile Asp 305 310 315 320

Cys Leu Ala Pro Asp Arg Arg Val Glu Ile Glu Val Lys Gly Tyr Lys 325 330 335

Glu Val Val Thr Gln Pro Ala Gly 340